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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/070,071 06/27/2002		Alf Hammes	ZOU-1999DE507	7262	
75	90 10/03/2005		EXAMINER		
Richard S. Roberts			WHITE, EVERETT NMN		
Roberts & Roberts, LLP, Attorneys at Law P.O. Bow 484			ART UNIT	PAPER NUMBER	
Princeton, NJ 08542			1623		

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)	
		10/070,07	1	HAMMES, ALF	
	Office Action Summary	Examiner		Art Unit	
		Everett Wh		1623	
Period f	The MAILING DATE of this communication a or Reply	appears on the	cover sheet with the c	orrespondence address	
THE - Extrafte - If th - If N - Fail - Any	HORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 CFR or SIX (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a interpretable of the provision of the provision of the period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by state of the period for reply will be p	N. R. 1.136(a). In no ever reply within the statution ind will apply and will atute, cause the appli	nt, however, may a reply be tin tory minimum of thirty (30) day expire SIX (6) MONTHS from action to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication (35 U.S.C. § 133).	on.
1)⊠	Responsive to communication(s) filed on 1	8 July 2005 .			
2a)⊠	This action is FINAL . 2b)	This action is r	non-final.		
3)⊡ Disposi	Since this application is in condition for allo closed in accordance with the practice und tion of Claims				is
4)⊠	Claim(s) <u>1-8,10,11 and 19-21</u> is/are pending	g in the applica	ation.		
	4a) Of the above claim(s) is/are withd	Irawn from con	sideration.		
5)[Claim(s) is/are allowed.				
6)🛛	Claim(s) <u>1-8,10,11 and 19-21</u> is/are rejected	d.			
7)	Claim(s) is/are objected to.				
8)[Claim(s) are subject to restriction and	d/or election re	quirement.		
Applicat	tion Papers				
	The specification is objected to by the Exami				
10)	The drawing(s) filed on is/are: a) ☐ ac	cepted or b)	objected to by the Exa	miner.	
_	Applicant may not request that any objection to	•			
11)[The proposed drawing correction filed on			ved by the Examiner.	
. —	If approved, corrected drawings are required in		ce action.		
,	The oath or declaration is objected to by the	Examiner.			
Priority	under 35 U.S.C. §§ 119 and 120				
13)⊠	Acknowledgment is made of a claim for fore	eign priority und	ler 35 U.S.C. § 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of:				
	1. Certified copies of the priority docume	ents have been	received.		
	2. Certified copies of the priority docume	ents have beer	received in Applicati	on No	
*	3. Copies of the certified copies of the page application from the International See the attached detailed Office action for a I	Bureau (PCT F	Rule 17.2(a)).		
14)	Acknowledgment is made of a claim for dome	estic priority un	der 35 U.S.C. § 119(e) (to a provisional applica	tion).
	a) The translation of the foreign language Acknowledgment is made of a claim for dome	•			
سارت Attachme		,			
1)	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449) Paper No(s		· <u></u>	/ (PTO-413) Paper No(s) Patent Application (PTO-152)	. •

Part of Paper No. 0919

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DETAILED ACTION

- 1. The amendment filed February 28, 2005 has been received, entered and carefully considered. The amendment affects the instant application accordingly:
- (A) Claims 9 and 12-18 have been canceled;
- (B) Claim 1 has been amended;
- (C) Comments regarding Office Action have been provided drawn to:
 - (I) Duplicate claims, which has been withdrawn;
 - (II) 112, 2nd paragraph rejection, which has been withdrawn;
 - (III) 103(a) rejection, which has been maintained for the reasons of record.
- 2. Claims 1-8, 10, 11 and 19-21 are pending in the case.
- 3. The text of those sections of title 35, U. S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1-8, 10, 11 and 19-21 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Traill et al (US Patent No. 1,943,461) in view of Hilbig et al (US Patent No. 5,708,162) for the reasons disclosed on pages 3-5 of the Office Action mailed April 20, 2005.

Applicant's arguments filed July 18, 2005 have been fully considered but they are not persuasive. Applicants argue against the combination of the Traill et al patent in view of the Hilbig et al patent for the rejection of the claims on the ground that the disclosure of the Hilbig et al patent teaches away from using perborate, or any other oxidizing agent, in an acidic environment. This argument is not persuasive because the pH values of the reaction medium in the Hilbig et al patent ranges from 7 to 14, which include neutral medium. The neutral medium of the Hilbig et al patent embraces the medium of the instant claims since claim 1 set forth carrying out the depolymerization process in acidic and neutral medium. Applicants further argue that combination of the Traill et al patent in view of the Hilbig et al patent results with a two-step process in which the cellulose ether is depolymerized in an acidic environment and then further depolymerized by action of an oxidant, or vice versa. This argument is not persuasive since instant Claim 1 sets forth a wide time range when the oxidizing agent thereof is

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added to the slurry (or reaction medium), which include before, during and/or after the depolymerization or after the initialed addition of the acid to the reaction medium.

Arguments presented against the Hilbig et al patent or the Traill et al patent based on the references being used alone to reject the claims are noted. These arguments are not persuasive since the rejection of the claims are based on the combination of the Traill et al patent in view of the Hilbig et al patent.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See In re Fine, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and In re Jones, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, as set forth in the previously mailed Office Action, one of ordinary skill in this are would be motivated to combine the teachings of the Traill et al and Hilbig et al patents in a rejection of the claims under 35 U.S.C. 103 since both patents disclose procedures for depolymerizing or reducing cellulose ethers. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the process of using an acid to depolymerize cellulose ethers as suggested in the Traill et al patent with process steps that involve treating the cellulose ether with an oxidizing agent for depolymerization of cellulose ethers, in view of the recognition in the art, as evidenced by the Hilbig et al patent, that such a procedure result in polysaccharide ethers which can be employed in binders for improving adhesive power and film-forming properties. Accordingly the rejection of Claims 1-8, 10, 11 and 19-21 under 35 U.S.C. 103(a) as being unpatentable over the Traill et al patent in view of Hilbig et al patent is maintained for the reasons of record.

Summary

5. Claims 1-8, 10, 11 and 19-21 are rejected. Claims 9 and 12-18 have been canceled.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Examiner's Telephone Number, Fax Number, and Other Information

For 24 hour access to patent application information 7 days per week, or for filing applications, please visit out website at <u>www.uspto.gov</u> and click on the button "Patent Electronic Business Center" for more information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Everett White whose telephone number is (571) 272-0660. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson, can be reach on (571) 272-0661. The fax phone number for this Group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1600.

E. White

James O. Wilson
Supervisory Primary Examiner
Technology Center 1600